MCI

MCI Wholesale Network Services

Choose a Location

MCI Wholesale products and services are available to communications providers worldwide who are in the business of reselling services to end users under a wholesale service agreement.

Whether you are a telecommunications carrier, ISP, or reseller, MCI's Wholesale product range provides unsurpassed expertise, and the global reach you need, all on one of the world's largest and most reliable IP backbone networks.

With MCI Wholesale Network Services, you benefit from:

- High-quality wholesale voice, data, and internet services for your customers

- Specialized pricing and support options

- Dedicated team of specialists focused on your wholesale needs

- United States
- International

United States ◉

Take advantage of our comprehensive set of services, customer support, and industry experience in the U.S.

[Tell me more] [Manage My Account]

International ◉

MCI International Wholesale Services deliver reliable, cost-effective solutions across Europe.

[Tell me more]

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United States

MCI's support for the wholesale market is unparalleled. We have dedicated professionals to help you achieve success the way you define it—whether you want to conquer the world or carve out a comfortable niche in your immediate market.

MCI has played a major role in helping shape the wholesale business into the thriving marketplace it is today, providing comprehensive product and customer support—not to mention a wealth of industry experience.

We take our leadership in the industry seriously. Our commitment to the wholesale industry is unmatched!

Contact the company that takes your success personally. 1-800-494-5629, **wholesale-solutions@mci.com**.

Voice ◉

MCI's line of wholesale voice products is the most comprehensive in the industry, providing a complete range of voice applications for domestic and international connectivity. Whether you are a carrier, cable provider, wireless provider or an ISP, MCI has the right voice solution to meet your business needs.

[Tell me more]

Internet ◉

MCI provides a comprehensive range of Internet Services to business customers worldwide utilizing the fastest, most rigorously engineered, and most reliable TCP/IP network in the world. MCI delivers superior Internet Services to thousands of cities throughout North America, South America, Europe and Asia Pacific.

[Tell me more]

Data ◉

MCI offers a wide range of wholesale data products, featuring one of the world's largest and most sophisticated data networks. Whether you need a short-term application or a long-term network solution, we have the right products to meet your needs.

[Tell me more]

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MCI offers a wide range of wholesale data products, featuring one of the world's largest and most sophisticated data networks.

Private Line Services
As the industry's leading provider of facilities-based local-to-global services in many locations worldwide, MCI offers a comprehensive portfolio of private line solutions designed to accommodate virtually any type of communications application, from voice-grade to broadcasting applications.
More information.

Metro Private Line Services
Metro Private Line Services offer point-to-point or point-to-multipoint service between customer-designated locations for voice, data, video, imaging or carrier-to-carrier access needs within a LATA. MCI offers Metro Private Line Services in Metropolitan Statistical Areas (MSAs) nationwide, providing cost-effective alternatives to services provided by Local Exchange Carriers (LECs) or Competitive LECs (CLECs).

International Private Line
MCI offers full-duplex, dedicated, digital private line services to more than 150 countries at capacities ranging from 64 Kbps up to 155.52 Mbps. With a ruggedly engineered transatlantic fiber-optic network and an extensive pan-European network, MCI is able to deliver international building-to-building service with maximum network integrity.
More information.

Private IP
Private IP provides a network-based Virtual Private Network (VPN) topology based on MultiProtocol Label Switching (MPLS) and uses Frame Relay or ATM technologies to access the network. Private IP is designed for customers that want to share information in a secure environment across a Private IP backbone.
More information.

Integrated DS1 Access
Integrated DS1 Access allows products such as 1+, Toll Free, Private Line, Frame Relay and Internet Access via Frame Relay Transport to be transported over the same DS1 local loop allowing you to save money on the access recurring and installation charges.
More information.

Frame Relay Service
Wholesale Frame Relay Service allows you to provide branded frame relay service to your customers. Frame Relay Service is a data communications interface standard for wideband packet-switching, providing transmissioon of variable-length packets across a digital virtual private network. The packets can access the network at port speeds of 56 Kbps to 20 Mbps domestically, and up to 2 Mbps internationally. Frame Relay Service operates within the MCI broadband platform, which accommodates interworking between cell- and packet-based technologies.
More information.

ATM
ATM allows the end user to support multiple applications such as voice, data, and video-through a single network access interface. Utilizing a cell-based, high-speed broadband service that can integrate all types of traffic. Our ATM services are based on the latest ATM Forum specifications and international standards, provisioned on one of the largest ATM networks with a fully redundant backbone and state-of-the-art core and edge switching.
More information.

Colocation Services
Network Colocation services provide secure, carrier-grade space to house your data and voice network equipment within a world-class managed environment. Relying on Colocation Services for your domestic and international needs allows you to concentrate on the content and application of your business, not on details of managing the infrastructure.
More information.

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As an industry leading provider of facilities-based local-to-global services in many locations worldwide, our comprehensive portfolio of private line solutions are designed to accommodate virtually any type of communications application, from voice-grade to broadcasting applications.

For transmitting voice, data or video, MCI Private Line Services provide the quality and reliability necessary to maximize the value of day-to-day business communications, from local to global, with service to more than 150 countries.

DS-0 Service

DS-0 Service is a full-duplex,dedicated private line service capable of supporting voice, analog data, digital data, and video communications at speeds of up to 64 Kbps.

Applications

- Voice tie lines or switch-to-switch trunks
- Foreign exchange circuits
- Full-duplex digital voice and low-speed data at speeds of 2.4,4.8,9.6,14.4,19.2,56 and 64 Kbps
- SS7 Switch to Signal Transfer Point (STP) interconnect

DS-1 and Fractional DS-1 Services

DS-1 Service is a full-duplex, dedicated. point-to-point digital private line service operating at 1.544 Mbps. DS-1 Service may be used as a single, contiguous signal or as 24 separate DS-0 channels. Fractional DS-1 Service consists of multiple DS-0 channels up to a full DS-1. The DS-0 channels ride a DS-1, but the customer pays only for the portion needed. Both services utilize either a DS-1 local loop or colocation.

Applications

- High-speed voice and/or data transmission
- High-speed tie lines or switch-to-switch trunks
- High-speed trunking for foreign exchange or feature group services
- High-speed trunking for exchange of traffic with other carriers
- Video conferencing or broadcast Internet conferences

DS-3 and Fractional DS-3 Services

DS-3 Service is a full-duplex, dedicated, point-to-point digital private line service operating at 44.736 Mbps. DS-3 service may be used as a single, contiguous signal or as 28 separate DS-1 channels. Fractional DS-3 service consists of multiple DS-1 channels up to a full DS-3. The DS-1 channels ride a DS-3, but the customer pays only for the portion needed. Both services utilize either a DS-3 local loop or colocation.

Sonet Services

Synchronous Optical NETwork (SONET) Private Line Services offer dedicated, point-to-point transport at speeds of up to 155.52 Mbps. Available SONET services include SONET DS-3, OC-3, OC-3c (concatenated), OC-12, and OC-

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Integrated DS1 Access

Integrated DS1 Access allows products such as 1+, Toll Free, Private Line, Frame Relay and Internet Access via Frame Relay Transport to be sent over a single DS1 local loop. Integrated DS1 Access provides you flexibility to designate 1, 2, 4, 6, 8, 12, or 16 channels for each type of service, for a total of 24 channels, with combined speeds up to 1.536Mbps. The DS1 local loop is provisioned to the closest MCI Point of Presence (POP) and is not restricted by distance between the end user and the Central Office. The channels are split out at the POP and your traffic is sent to its appropriate network destination.

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Applications

- Voice transmission
- LAN-to-LAN communication
- E-mails
- Multimedia communications
- Remote database access
- Real-time file transfer and updates
- Image transfer
- Document and resource sharing
- Order entry and inventory
- Customer service
- Field service
- Concurrent engineering

Features

- Streamlined cost from multiple services being transported over the same local loop thereby reducing DS1 access recurring and installation charges.

- No backhaul charges are incurred after the traffic reaches the closest MCI POP resulting in no additional network costs.

- Streamlined product delivery through merged Integrated DS1 Access order form and processes.

- Direct connection to a world-class network provides you reliable one-stop shopping for robust connectivity to a multitude of data and voice platforms.

- Dedicated and secure connectivity between the customer location and MCI.

- Available only in conjunction with other MCI products such as 1+, Toll Free, Private Line, Frame Relay or Internet Access via Frame Relay Transport.

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Frame Relay Service offers you the opportunity to provide branded Frame Relay service to your customers. Wholesale Frame Relay Service is available nationwide and in many major international cities. Frame Relay Service operates within the broadband platform, which accommodates interworking between cell- and packet-based technologies.

Frame Relay Service is a data communications interface standard for wideband packet-switching. It provides the transmission of variable-length packets across a digital virtual private network. The packets can access the network at port speeds of 56 Kbps to 45 Mbps domestically, and up to 2 Mbps internationally.

Applications

- LAN-to-LAN communication
- E-mail
- System Network Architecture (SNA) connectivity
- Remote database access
- Real-time file transfer and updates
- Image transfer
- Document and resource sharing
- Order entry and inventory
- Customer service
- Field service

Features

- Automatic alternate routing of Permanent Virtual Circuits (PVCs) between MCI Points of Presence (POPs) increases network availability and reliability.
- A single Frame Relay interface which supports multiple logical connections, reducing expense for local access and Customer Premises Equipment (CPE).
- Dynamic bandwidth allocation improves overall network performance and allows for more efficient use of network capacity.
- Oversubscription allows customers to take advantage of the bursty nature of data transactions, increasing network efficiency through greater connectivity.
- Virtual connectivity provides the ability to rapidly reengineer and reconfigure network connectivity.
- Flat monthly fee (pricing that is not usage-or mileage-sensitive) improves price/performance for data networks and provides predictable monthly costs for easier budgetary planning.
- Users can connect to MCI's Frame Relay network via User-to-Network Interface (UNI) or Network to-Network Interface (NNI). Both methods allow you to connect two or more Frame Relay networks, giving you the ability to expand regional service into national.

Metro Frame Relay Service

Metro Frame Relay enables customers to connect business sites in the same LATA (a LATA normally covers a larger area than a metropolitan city.) Metro Frame Relay a highly competitive alternative to local exchange carrier (LEC) Frame Relay services for those customers who require standard (interLATA) connectivity.

Frame Relay/ATM Service Interworking (FRASI)

Whether you need to migrate your entire network to ATM or you require a hybrid of ATM and Frame Relay services, FRASI ensures complete interoperability from a single service provider.

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MCI's Asynchronous Transfer Mode (ATM) Service allows the end user to support multiple applications, voice, data, and video, through a single network access interface.

ATM is a cell-based, high-speed broadband service that allows the integration of all types of traffic, with a flexible combination of features to help best meet your performance, throughput, and response-time needs.

MCI has long been on the forefront of ATM development, and is active in the ATM Forum. We own and operate one of the largest ATM networks, a high-speed, fully redundant back-bone with state-of-the-art core and edge switching. Our ATM services are based on the latest ATM Forum specifications and international standards.

MCI's ATM Service is available nationwide and to a growing number of international locations.

Applications

- LAN interconnection
- Voice transmission
- High-speed data transfer
- Private line circuit emulation
- High-resolution imaging
- High-definition video transport
- Multimedia communications
- Host-to-host internetworking
- Interactive and concurrent engineering
- PBX interconnect

Features

- Nationwide availability
- Fully redundant, high-speed nationwide network
- Multiple interface rates
- Scalability for current and future needs
- Multiple service classes
- Standards-compliant ATM service
- State-of-the-art core and edge ATM switches

Metro ATM Service

Metro ATM is a groundbreaking extension of MCI ATM service. With this offering, we became the first Interexchange Carrier (IXC) to enter the local ATM market, enabling customers to connect business sites in the same LATA (a

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LATA normally covers an area larger than a metropolitan city). Metro ATM is a highly competitive alternative to LEC local ATM services for those who require standard (interLATA) connectivity.

Frame Relay/ATM Service Interworking (FRASI)

Whether you need to migrate your entire network to ATM or you require a hybrid of ATM and Frame Relay services, MCI FRASI ensures complete interoperability from a single service provider.

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Colocation Services

Network Colocation services provide secure, carrier-grade space to house your data and voice network equipment within a world-class managed environment. Relying on Colocation Services for your domestic and international needs allows you to concentrate on the content and application of your business, not on details of managing the infrastructure.

Features/Benefits

- Carrier-grade facilities enable you to avoid leasing space in remote locations or do expensive renovations.

- Strict adherence to high physical standards at colocation sites results in optimal conditions for your equipment's performance.

- Direct connection to a world-class network provides you reliable, one-stop shopping for robust connectivity to a multitude of data and voice platforms.

- Back-up generators create a window for power restoration without loss of service.

- On-site technical support helps reduce your operational expenses.

- Multiple levels of security allow close monitoring of facilities and equipment.

Applications

- Built-in resilience for mission-critical applications through MCI's state-of-the-art facilities which minimize single points of failure, ensuring the reliability, availability, and redundancy your business needs.

- Hardware provides vented and lockable equipment cabinets or relay equipment racks are provided to house and protect your equipment. AC or DC power is included with the initial installation of a colocation site.

- Value-added service is always sold in conjunction with MCI's Private Line, Frame Relay, ATM, and Voice products.

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Transcend

Transcend allows you to purchase transport on MCI's unsurpassed fiber-optic network separately from Local Exchange Carrier (LEC) charges. This "unbundled" approach allows you to analyze your access and egress charges and target market, creating a powerful management tool for your business.

Transcend's rating system utilizes a comprehensive LEC Tariff Database containing all tariffed LEC charges. Access and egress are calculated in the LEC Tariff Database to reflect actual tariffed costs (direct end-office and tandem costs are both utilized). The database is updated monthly, providing you with current access and egress costs as changes occur.

Transcend's innovative unbundled approach, coupled with an aggressive pricing structure, can help maximize your target-marketing potential. Transcend gives you greater control of your over-all costs and, ultimately, greater ability to improve your profitability.

Features

- **Updated monthly LEC Tariff Database**, written in Microsoft® Access, provides vital information to better manage your business and control profit margins.

- **Transcend Manager, a network-management tool (also written in Microsoft Access) designed for Transcend**, enables you to query and analyze data in the LEC Tariff Database by LATA, cost parameters, and NPA/NXX.

- **Extensive invoice management reports** clarify your traffic patterns and help you run your business more efficiently.

- **Extended domestic transport rates** replace access or egress for calls originating or terminating in Alaska, Hawaii, Puerto Rico, US Virgin Islands, Guam, and Saipan.

- **International transport rates** replace egress for calls terminating to an international location; charges are based on contracted rates.

Applications

- **Switchless 1+ (switched to switched)** provides end-to-end call origination and termination. Switched access locations are assigned to MCI's Carrier Identification Code (CIC) or customers can translate their own CIC onto the MCI network. Traffic originates from the end user 's ANI or premises equipment and terminates to the called party.

- **Switchless Toll Free (switched to switched)** provides end-to-end call origination and termination. Traffic originates from anywhere in the United States, Puerto Rico, the US Virgin Islands and Canada, and terminates to the end user's ANI or premises equipment.

- **End User Dedicated 1+ (dedicated to switched)** traffic originates from a T-1 between the end user's premises equipment and the nearest MCI Point of Presence (POP) and terminates to the called party.

- **End User Dedicated Toll Free (switched to dedicated)** traffic originates from the calling party and terminates to a T-1 between the nearest MCI POP and the end user's premises equipment.

- **Carrier Termination (dedicated to dedicated)** traffic originates on a carrier's network and terminates to the MCI network. Dedicated access locations are connected to MCI's nearest POP via T-1 (or greater) access.

- **Carrier Origination (dedicated to dedicated)** toll-free traffic originates on the MCI network from anywhere in the North American Numbering Plan (NANP) and terminates on a carrier's network. Dedicated access locations are connected to MCI's nearest POP via T-1 (or greater) access.

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TOLL FREE SERVICE APPLICATIONS

- **International Toll Free Service (ITFS)/Universal International Freephone Number (UIFN)** calls originate from available countries and terminate to the 48 contiguous United States.

- **Domestic and Extended Domestic call coverage** calls originate from the 48 contiguous United States, Alaska, Hawaii, Canada, Puerto Rico, US Virgin Islands, Guam, and Saipan.

- **Same toll-free number** can be used for both interstate and intrastate calls at no extra charge.

- **Multiple toll-free numbers** can terminate to the same ANI or trunk group.

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Today, MCI's focus is clear - to use our global network and expertise to deliver innovative products that provide simplicity and unsurpassed value to our customers. With millions of business and residential customers, MCI® is a leader in serving global businesses, government offices, and U.S. residential customers.

MCI delivers a comprehensive portfolio of local-to-global business data, Internet and voice services to a 'Who's Who' list of the Fortune 1000. MCI is an established leader in IP network technology and Virtual Private Networking (VPN), delivering VPNs based on private data networks as well as our global Internet backbone, which spans six continents. Our portfolio includes SONET private line, frame relay, ATM and a full range of dedicated, dial and value-added Internet services.

MCI today owns and operates some of the world's most complex and sophisticated custom networks, delivering value for a wide variety of customers and more than 75 U.S. federal government agencies. We also are a premier provider of audio, video, and Net conferencing services that enable customers to meet and collaborate remotely to effectively conduct business anywhere, anytime.

MCI is the United States' second largest long distance company for residential customers. In April 2002, MCI launched The Neighborhood built by MCI, the industry's first truly any-distance, all-inclusive offering combining local and nationwide long distance calling from home to consumers for one low monthly price. The Neighborhood continues MCI's pioneering tradition, which has been based on opening up monopoly markets and providing innovative services to consumers nationwide.

The Strength and Innovation of MCI

- The industry's farthest-reaching global Internet backbone*, spanning six continents, over 140 countries, over 2,800 cities and over 4,500 Points of Presence (PoPs)

- The most rigorously engineered IP backbone network, with more than 3.2 million dial modems

- Over 98,000 owned and operated global network route miles, including terrestrial and undersea cable

- The most robust set of converged communications services in the industry, including integrated voice, data, and Internet services

- An expansive global customer base including leading companies among the Fortune 1000

- A world-class service and technology-oriented workforce including highly-skilled employees deployed around the world

* Based on number of company-owned global PoPs.

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MCI's extensive global network is a key advantage for business customers of all sizes.

MCI$^{®}$ owns, operates, monitors and maintains one of the largest communications networks in the world. Our network facilities are throughout North America, Latin America, Europe, Africa, and the Asia-Pacific region, in more than 140 countries and over 2,800 cities.

Our 98,000-mile fiber optic network is designed to support the largest array of data communications and voice products in the world.

MCI owns the world's farthest reaching global network (based on company-owned POPs), and spans more than 4,500 Points of Presence (POPs) throughout the world, with 2.2 million global dial modems and high-capacity connections to more than 102,000 active buildings. The global IP network can circle the globe more than four times. Additionally, MCI remains the most connected Internet backbone provider with the greatest number of Autonomous System network connections. The company's expansive IP footprint, coupled with its direct interconnections, exceeds all other competitor networks and enables its business customers and ISPs to reach more destinations directly through MCI's global IP backbone than any other carrier.

MCI offers the fastest speeds available over IP today. We were the first to route and switch OC-192 IP network traffic. MCI also has the most scalable IP network available, offering speeds from dial to OC-48.

MCI's IP data solutions are directly built into a wholly-owned global network, for direct, safe, secure access.

Skilled technicians in Network Operations Centers around the world monitor the network for optimal efficiency 24 hours a day, 365 days a year.

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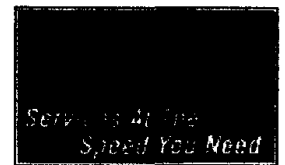
Looking Glass Networks®, Inc. provides fast delivery of SONET/SDH, Wavelength and Ethernet-based lit services, high-capacity dark fiber and carrier-neutral collocation services in addition to custom design and build services for carrier and enterprise customers. A facilities-based company, Looking Glass builds, owns and operates metropolitan fiber optic networks using the most flexible optical and operational support systems available to provide telecommunications services in the largest U.S. metro areas. Looking Glass' physically diverse networks provide customers with connections to primary carrier hotels, ILEC Central Offices, key enterprise buildings and other major data aggregation facilities.

Formed by proven telecommunications executives with successful metro network management experience, Looking Glass provides focused local network connectivity, flexible service options and fast delivery times that customers need to keep pace with growing market demands.

Since April of 2000, Looking Glass has raised $475 million in total capital including $200 million in initial private equity financing led by Madison Dearborn Partners and Battery Ventures.

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Products/Services

Lit Bandwidth
FastGLASS
EtherGLASS
WaveGLASS

Looking Glass offers the full spectrum of lit bandwidth, dark fiber and collocation options as well as customized facility design and construction-our services are delivered rapidly and priced attractively. Our strategy of owning and operating flexible, scalable networks gives us the advantage of building and connecting where we want, when we want to best meet the needs of our customers.

Dark Fiber

Collocation

Design and Construction

Company Brochure

Lit Bandwidth

- Consistent rapid provisioning times
- Extensive menu of services
- Vast connectivity with build-out capability
- Unparalleled scalability and flexibility
- Simple migration to higher speed
- Physical diversity from other fiber providers

Dark Fiber

- Virtually unlimited capacity
- Flexibility to extend networks to meet your specific needs
- Physically diverse from other fiber providers
- Redundant ring topology connected to major data aggregation locations
- Support for all applications and technologies
- Your choice of access options

Collocation

- Carrier-neutral facilities
- Convenient access to our superior network and services
- Instantly available high-capacity infrastructure that allows you to focus on your core business

Design and Construction

- Network architecture and systems integration
- Complete network design and space planning
- Equipment analysis and selection
- Construction, installation and environmental permitting
- Site surveys and route acquisition
- Contractor selection and construction management
- Infrastructure engineering and installation
- Complete power system design
- Emergency backup systems
- Turn up and testing
- Project documentation

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Products/Services   Customer Service   Network   About Us   Contact   Home

Products/Services > Lit Bandwidth

Lit Bandwidth
FastGLASS
EtherGLASS
WaveGLASS

Dark Fiber

Collocation

Design and Construction

Company Brochure

Lit Bandwidth

We provide the metropolitan data transport services you need - where, when and how you need them. Our end-to-end, redundant networks offer the full spectrum of SONET/SDH, Ethernet and Wavelength services on our flexible, application-neutral optical platforms - speeds ranging from 1.544 Mbps to 10 Gbps.

Our networks offer connections to major data aggregation facilities and enterprise buildings, ensuring reliable service and access to IXC, ISP, ILEC and CLEC locations as well as Web hosting facilities and data centers. Because we own and operate our networks, we can build to the location of your choice, meeting your specific needs. With all our services, you receive consistent fast provisioning, well-placed connectivity and high levels of security and responsiveness.

Lit Bandwidth

SONET/SDH, Ethernet and Wavelength services at the speeds you need.

Product Features

- Consistent rapid provisioning times
- Extensive menu of services
- Vast connectivity with build-out capability
- Unparalleled scalability and flexibility
- Simple migration to higher speeds
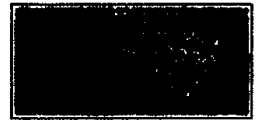- Physical diversity from other fiber providers

Types Of Services

- FastGLASS^{SM} SONET/SDH services
- EtherGLASS^{SM} Ethernet services
- WaveGLASS^{SM} Wavelength services

Product Brochure
LitColloBrochure.pdf

For more information contact: sales@lglass.net or call 1-866-778-LGN1(5461)

Products/Services   Customer Service   Network   About Us   Contact   Home

Products/Services > FastGLASS^{SM}

Lit Bandwidth
   FastGLASS
   EtherGLASS
   WaveGLASS

Dark Fiber

Collocation

Design and Construction

Company Brochure

FastGLASS^{SM} - SONET/SDH Services

FastGLASS^{SM} telecommunications transport services support E-1, DS-1, DS-3, OC-3/STM-1, OC-12/STM-4, OC-48/STM-16 and OC-192/STM-64 circuits at speeds ranging from 1.544 Mbps to 10 Gbps. Point-to-point private configurations are available for all circuit types, with hub service circuit configurations available for DS-n and OC-n/STM-n circuit types.

Fully protected access is available through Automatic Protection Switching (APS) that provides fault recovery in under 50 milliseconds to ensure quality of service (QoS) for time-sensitive or mission-critical applications. For less mission-critical applications, limited circuit protection options are available. In all cases, our self-healing ring architecture and non-blocking dedicated circuits provide built-in network survivability.

For more information contact: sales@lglass.net or call 1-866-778-LGN1(5461)

SONET/SDH Circuit Type	Speeds
E-1	2.048 Mbps
DS-1	1.544 Mbps
DS-3	45 Mbps
OC-3/STM-1	155 Mbps
OC-12/STM-4	622 Mbps
OC-48/STM-16	2488 Mbps
OC-192/STM-64	9953 Mbps

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Products/Services   Customer Service   Network   About Us   Contact   Home

Products/Services > EtherGLASS^{SM}

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  FastGLASS
  EtherGLASS
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EtherGLASS^{SM} - Ethernet Services

EtherGLASS^{SM} 10 Mbps Ethernet services are available on a 10Base-TX (twisted pair) interface while 100 Mbps Ethernet services are available on a 100Base-TX interface. Gigabit Ethernet services are available on either 1000Base-SX (multimode fiber), or 1000Base-LX (single mode fiber) interfaces, at transmission speeds that are configurable from 10 Mbps to 1000 Mbps, depending on your requirements.

Ethernet Circuit Type	Speeds
10BaseT	10 Mbps
100BaseT	100 Mbps
Gigabit Ethernet	50 Mbps
	155 Mbps
	311 Mbps
	450 Mbps
	622 Mbps
	1000 Mbps

Company Brochure

For more information contact: sales@lglass.net or call 1-866-778-LGN1(5461)

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Products/Services > WaveGLASS^{SM}

Lit Bandwidth
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  EtherGLASS
  WaveGLASS

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Company Brochure

WaveGLASS^{SM} - Wavelength Services

WaveGLASS^{SM} services allow transmission of SONET, Gigabit Ethernet and a variety of non-traditional services (ESCON, FICON, Fibre Channel) over the same fiber pair. Speeds range up to 10 Gbps. You have the option of purchasing single or multiple wavelengths.

WaveGLASS^{SM} circuits are available in point-to-point configurations with three protection options:

- No protection: Both line-side (Looking Glass) and client-side of the circuit are unprotected
- Line-side protection: The line-side of the circuit is protected; the client-side is unprotected
- Full protection: Both the line-side and client-side of the circuit are protected

For more information contact: sales@lglass.net or call 1-866-778-LGN1(5461)

Wavelength Circuit Type	Speeds
2.5 Gbps	2500 Mbps
10 Gbps	10000 Mbps
Fibre Channel/FICON	1062.5 Mbps
ESCON	200 Mbps
Gigabit Ethernet	1000 Mbps

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Products/Services > Dark Fiber

Lit Bandwidth
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Company Brochure PDF

DarkGLASS[SM] - Dark Fiber

We provide the dark fiber you need where, when and how you need it. Our DarkGLASS[SM] dark fiber solutions offer flexible, fixed-cost access to virtually unlimited capacity. You get the security advantages of ring configuration and exclusive use of each fiber pair plus end-to-end control of speed and bandwidth with the option of supplying your own electronics.

Our metro networks are built to carry extraordinarily high capacity - up to 864 strands of fiber. Because we build, own and maintain our networks, we are physically diverse from other fiber providers and can bring the dark fiber and fiber infrastructure you want wherever you need it. You benefit from our scalability and flexibility as we expand our footprint to meet your changing needs.

Our technologically advanced, high-grade fiber optic cable supports the full spectrum of bandwidth applications including disaster recovery, data warehousing, mirroring, streaming audio/video, distance learning and multiple technologies such as IP, SONET/SDH, DWDM, Fibre Channel, ATM, Frame Relay and Gigabit Ethernet. Our presence at data aggregation points in the top U.S. metro areas ensures reliable access to IXC, ISP, ILEC and CLEC locations as well as Web hosting facilities and data centers.

Why DarkGLASS[SM]?

- Virtually unlimited capacity
- Flexibility to build to meet your specific needs
- Redundant networks connected to major data aggregation locations
- Support for all applications and technologies
- Your choice of access options

Product Features
Dark Fiber Access Where You Need It

With connectivity in primary Carrier Hotels, ILEC Central Offices (COs) and key enterprise buildings in major U.S. metro markets, DarkGLASS connects you where you need to be. Depending on your location and requirements, we offer the following access options:

- Zero manhole - Street-level access at Looking Glass manholes
- Point of Presence (POP) - Access at Looking Glass termination panels in buildings where Looking Glass maintains a presence
- Customer location - Termination at the customer's location
- ILEC Central Office - Access via the Looking Glass collocation area inside the ILEC central office

At the Leading Edge of Fiber
Our technologically advanced, high-grade fiber optic cable supports the full spectrum of bandwidth applications.

Quality and Security
Our commitment to network quality and security is second to none, and is evident throughout our operations. Quality and security play a prominent role at our national Network Operations Control Center (NOCC), where we provide performance monitoring, alarm surveillance and expert support and service 24x7. Additionally, we participate in local One Call, Call Before You Dig, Dig Safe and Dig Alert programs.

Dark Fiber

Flexible, fixed-cost access to virtually unlimited capacity.

Product Brochure

DarkFiber.pdf

For more information contact: sales@lglass.net or call 1-866-778-LGN1(5461)

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Virtually Unlimited Capacity

[illegible] Glass [illegible] dark fiber [illegible] need [illegible] Our Dark [illegible] solution [illegible] offer [illegible] access [illegible] security advantages [illegible]

[illegible] extraordinarily high capacity [illegible] up to [illegible] 4 strand fiber. Because [illegible] our networks [illegible] are physically diverse [illegible] fiber [illegible] dark fiber [illegible] infrastructure [illegible] scalability and flexibility [illegible] requirements.

[illegible] fiber optic cable supports the full spectrum [illegible] bandwidth [illegible] data aggregation points and enterprise [illegible] access [illegible] and [illegible] centers.

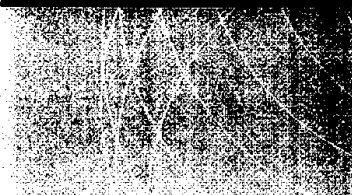

Why Looking Glass Dark Fiber?

- Virtually unlimited capacity
- Flexibility to extend networks to meet your specific needs
- Physically diverse from other fiber providers
- Redundant ring topology connected to major data aggregation locations
- Support for all applications and technologies
- Your choice of access options

Looking Glass℠
NETWORKS

Quality and Security

When you work with Looking Glass, you'll have access to the most technologically advanced fiber optic cable for error-free transmission. Quality and security is integral to our network operations, which is monitored at our Network Operations Control Center (NOCC). We provide ongoing performance evaluation, alarm surveillance and expert support and service 24x7. Additionally, we participate in local One Call, Call Before You Dig, Dig Safe and Dig Alert programs.

Where You Need To Be

We are providing breakthrough, fast-track solutions in the top U.S. metropolitan areas, initially connecting to key data aggregation buildings in Atlanta, Baltimore, Chicago, Dallas, Houston, Los Angeles, New York/Northern New Jersey, Philadelphia, San Francisco, San Jose, Seattle and Washington D.C./Northern Virginia.

The Looking Glass Advantage

Focused - Facilities-based metro networks with abundant local connections.
Flexible - Scalable lit services, dark fiber and collocation space
Fast - Rapidly delivered high speed telecommunication transport services

DarkGLASS - Dark Fiber Access Where You Need It

With connectivity in primary carrier hotels, ILEC central offices and key enterprise buildings in major U.S. metro markets, DarkGLASS connects you where you need to be. Depending on your location and requirements, we offer the following access options:

- Zero manhole - Street-level access at Looking Glass manholes
- Point of Presence (POP) - Access at Looking Glass termination panels in buildings where Looking Glass maintains a presence
- Customer location - Termination at the customer's location
- ILEC Central Office - Access via the Looking Glass collocation area inside the ILEC central office

Contact Us

To learn more about how Looking Glass can help you with your dark fiber needs, contact us toll-free at 1-866-778-LGN1 (5461) or visit www.lglass.net.

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Products/Services > Collocation

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ColloGLASS^{SM} - Collocation

ColloGLASS^{SM} collocation services enable you to focus on your core business, leaving the construction and maintenance of the infrastructure to us. Our carrier-neutral facilities provide an abundance of power, security and system redundancy. You gain easy access to our high-capacity optical networks and leading-edge data transport services plus proximity to fiber from multiple carriers.

Why ColloGLASS^{SM}?

- Carrier-neutral facilities
- Convenient access to our superior network and services
- Instantly available high-capacity infrastructure that allows you to focus on your core business
- Remote assistance with Looking Glass technicians
- 24x7 security managed by our NOCC

Product Features

Space: All node or primary collocation facilities meet or exceed local building codes and comply with seismic requirements. We provide NEBs-level compliant solid front, lockable cabinets that are anchored to the floor and frame-grounded. The 85" (H) x 28" (W) x 32" (D) cabinets have 19" to 23" adjustable rails and feature a unique all-steel enclosure and uni-body type construction with front and back combination locks. Each cabinet is in a card-key secured room with ventilation, air conditioning and fire suppression systems.

We also offer caged space with installation of racks or cabinets provided according to your needs. Several power options for cages are also available.

Security: All collocation sites and customer work areas are card-key secured 24x7. Proximity card readers are installed at every entrance and exit. Our Network Operations Control Center (NOCC) manages collocation access and monitors the facility 24x7.

Power: Permanent AC/DC power is available for purchase in 10 amp increments. Protected AC power configurations are also available. To assist you in the initial set-up of your collocation space, we offer 'convenience' AC power.

HVAC: Optimum environmental controls are provided in each facility. We guarantee, over a 24-hour period at 100 percent load, an average temperature of 70 degrees Fahrenheit and an average relative humidity of 55 percent.

Cross Connects: We perform all cross connects for you in a common, controlled and secure area.

Remote Assistance Option: An optional service, remote assistance allows you to avoid dispatching your personnel for certain on-site activities. With this option, an on-site Looking Glass technician will perform basic maintenance activities and special configuration or maintenance operations upon your request.

Product Brochure
 LitColloBrochure.pdf

Collocation

Carrier-neutral facilities with convenient access to superior networks and services.

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